

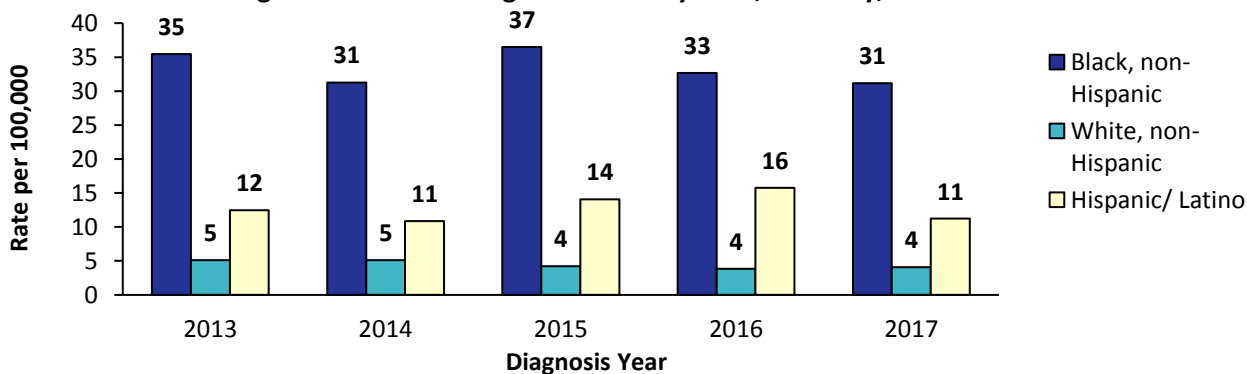
VIRGINIA HIV SURVEILLANCE ANNUAL REPORT

Table 1: New HIV Diagnoses

Year of HIV Diagnosis:	Newly Diagnosed Cases of HIV Disease										5-Year Trend
	Number of New Diagnoses					Rate per 100,000 population					
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	
Total	978	931	977	919	894	11.4	11.8	11.0	11.5	10.0	<div><div></div><div></div><div></div><div></div><div></div></div>
Gender											
Male	789	740	788	747	707	19.4	18.1	19.1	18.1	17.1	<div><div></div><div></div><div></div><div></div><div></div></div>
Female	189	191	189	172	187	4.5	4.6	4.4	4.0	4.3	<div><div></div><div></div><div></div><div></div><div></div></div>
Age at HIV Diagnosis											
<10	6	5	1	2	4	0.6	0.5	0.1	0.2	0.4	<div><div></div><div></div><div></div><div></div><div></div></div>
10 - 14	3	3	1	1	1	0.6	0.6	0.2	0.2	0.2	<div><div></div><div></div><div></div><div></div><div></div></div>
15 - 19	56	42	47	36	45	10.4	7.8	8.7	6.7	8.3	<div><div></div><div></div><div></div><div></div><div></div></div>
20 - 24	197	189	215	178	174	32.8	31.3	35.8	30.2	29.5	<div><div></div><div></div><div></div><div></div><div></div></div>
25 - 29	164	176	177	184	181	28.0	29.7	29.6	31.2	30.7	<div><div></div><div></div><div></div><div></div><div></div></div>
30 - 34	115	115	147	144	109	20.0	19.7	25.1	24.7	18.7	<div><div></div><div></div><div></div><div></div><div></div></div>
35 - 39	72	94	99	85	97	13.7	17.6	18.1	15.2	17.4	<div><div></div><div></div><div></div><div></div><div></div></div>
40 - 44	104	79	83	71	76	18.4	14.2	15.3	13.4	14.4	<div><div></div><div></div><div></div><div></div><div></div></div>
45 - 49	95	82	61	70	59	16.3	14.4	10.8	12.4	10.4	<div><div></div><div></div><div></div><div></div><div></div></div>
50 - 54	65	62	58	60	56	10.7	10.2	9.6	10.1	9.4	<div><div></div><div></div><div></div><div></div><div></div></div>
55 - 59	54	48	47	45	49	9.7	8.5	8.2	7.8	8.5	<div><div></div><div></div><div></div><div></div><div></div></div>
60 - 64	23	21	24	21	23	4.8	4.3	4.9	4.2	4.6	<div><div></div><div></div><div></div><div></div><div></div></div>
65+	24	15	17	22	20	2.2	1.3	1.4	1.8	1.6	<div><div></div><div></div><div></div><div></div><div></div></div>
Race/Ethnicity											
Black, non-Hispanic	579	536	607	545	520	35.5	31.3	36.5	32.7	31.2	<div><div></div><div></div><div></div><div></div><div></div></div>
White, non-Hispanic	273	271	226	205	218	5.1	5.1	4.2	3.8	4.1	<div><div></div><div></div><div></div><div></div><div></div></div>
Hispanic/ Latino	89	80	106	122	87	12.5	10.9	14.0	15.8	11.2	<div><div></div><div></div><div></div><div></div><div></div></div>
Asian/ Hawaiian/ Pacific Islander	20	18	25	23	33	3.7	3.2	4.3	3.9	5.6	<div><div></div><div></div><div></div><div></div><div></div></div>
Amer. Indian/ Alaska Native	0	1	1	1	0	--	--	--	--	--	<div><div></div><div></div><div></div><div></div><div></div></div>
Multi-race/ Unknown	17	25	12	23	36	--	--	--	--	--	<div><div></div><div></div><div></div><div></div><div></div></div>
Transmission Category											
Male-to-male sexual contact (MSM)	542	512	547	491	392	--	--	--	--	--	<div><div></div><div></div><div></div><div></div><div></div></div>
Injection drug use (IDU)	17	18	19	13	13	--	--	--	--	--	<div><div></div><div></div><div></div><div></div><div></div></div>
MSM & IDU	16	15	13	15	10	--	--	--	--	--	<div><div></div><div></div><div></div><div></div><div></div></div>
Heterosexual contact	138	143	141	114	98	--	--	--	--	--	<div><div></div><div></div><div></div><div></div><div></div></div>
Pediatric	8	9	1	3	5	--	--	--	--	--	<div><div></div><div></div><div></div><div></div><div></div></div>
No risk factor reported or identified	257	234	256	283	376	--	--	--	--	--	<div><div></div><div></div><div></div><div></div><div></div></div>

All data reported to the Virginia Department of Health as of February 2018. Data for 2017 is preliminary and may be incomplete due to reporting delays. Rates for case counts less than 12 are considered unstable and should be interpreted with caution. Rates per 100,000 population. The dark blue bar in the "5-year Trend" graph represents the year with the highest HIV diagnosis rate and the teal bar represents the year with the lowest diagnosis rate.

Figure 1: New HIV Diagnosis Rates by Race, Ethnicity, 2013-2017



VIRGINIA HIV SURVEILLANCE ANNUAL REPORT

Table 2: New HIV Diagnoses in 2017: Gender, Transmission Category, Current Age and Race/Ethnicity by Health Region

	Central		Eastern		Northern		Northwest		Southwest	
	No.	%	No.	%	No.	%	No.	%	No.	%
Total	48	100%	56	100%	227	100%	12	100%	12	100%
Gender										
Male	172	78%	251	82%	170	74%	53	82%	63	84%
Female	48	22%	56	18%	57	25%	12	19%	12	16%
Race/Ethnicity										
Black, non-Hispanic	140	64%	207	67%	116	51%	21	32%	36	48%
White, non-Hispanic	45	21%	67	22%	43	19%	30	46%	33	44%
Hispanic (all races)	18	8%	16	5%	41	18%	8	12%	4	5%
Asian/ Hawaiian/ Pacific Islander	5	2%	5	2%	20	9%	2	3%	1	1%
Amer. Indian/ Alaska Native	0	0%	0	0%	0	0%	0	0%	0	0%
Multi-race/ Unknown	12	6%	12	4%	7	3%	4	6%	1	1%
Current age										
<10	1	1%	1	0%	2	1%	0	0%	0	0%
10 - 14	0	0%	0	0%	0	0%	1	2%	0	0%
15 - 19	7	3%	27	9%	7	3%	1	2%	3	4%
20 - 24	38	17%	82	27%	28	12%	11	17%	15	20%
25 - 29	48	22%	68	22%	32	14%	20	31%	13	17%
30 - 34	22	10%	41	13%	28	12%	10	15%	8	11%
35 - 39	23	11%	22	7%	36	16%	6	9%	10	13%
40 - 44	23	11%	16	5%	24	11%	3	5%	10	13%
45 - 49	17	8%	13	4%	22	10%	4	6%	3	4%
50 - 54	15	7%	15	5%	21	9%	1	2%	4	5%
55 - 59	15	7%	12	4%	15	7%	2	3%	5	7%
60 - 64	5	2%	7	2%	9	4%	1	2%	1	1%
65+	6	3%	3	1%	3	1%	5	8%	3	4%
Transmission Category										
Male-to-male sexual contact (MSM)	103	47%	144	47%	72	32%	30	46%	43	57%
Injection drug use (IDU)	2	1%	6	2%	2	1%	1	2%	2	3%
MSM & IDU	0	0%	4	1%	2	1%	3	5%	1	1%
Heterosexual contact	39	18%	25	8%	18	8%	8	12%	8	11%
Pediatric	1	1%	1	0%	2	1%	1	2%	0	0%
No risk factor reported or identified (NRR/NIR)	75	34%	127	41%	131	58%	22	34%	21	28%

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2017

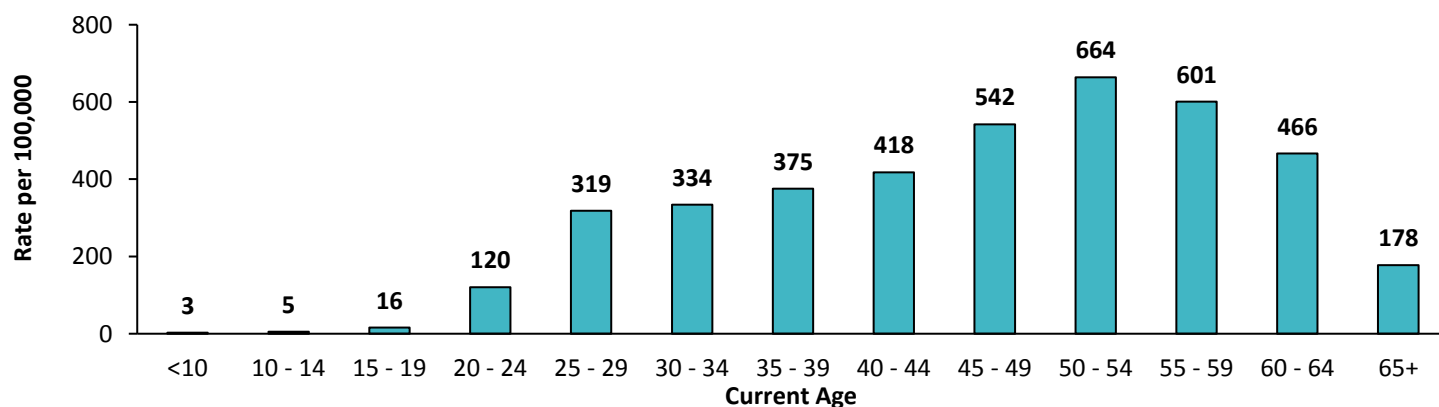
VIRGINIA HIV SURVEILLANCE ANNUAL REPORT

Table 3: Persons Living with HIV as of December 31, 2017

	HIV only			AIDS			Total Cases of HIV		
	No.	%	Rate	No.	%	Rate	No.	%	Rate
Total	12,932	100%	153.8	11,072	100%	131.7	24,004	100%	285.6
Gender									
Male	9,669	75%	234.1	8,172	74%	197.8	17,841	74%	431.9
Female	3,263	25%	76.3	2,900	26%	67.8	6,163	26%	144.1
Current age									
<10	23	0%	2.2	6	0%	0.6	29	0%	2.8
10 - 14	23	0%	4.4	5	0%	1.0	28	0%	5.4
15 - 19	69	1%	12.8	16	0%	3.0	85	0%	15.7
20 - 24	593	5%	100.5	115	1%	19.5	708	3%	120.0
25 - 29	1,472	11%	249.5	407	4%	69.0	1,879	8%	318.5
30 - 34	1,429	11%	245.5	514	5%	88.3	1,943	8%	333.8
35 - 39	1,324	10%	237.4	769	7%	137.9	2,093	9%	375.3
40 - 44	1,197	9%	226.6	1,012	9%	191.6	2,209	9%	418.2
45 - 49	1,544	12%	272.7	1,526	14%	269.6	3,070	13%	542.3
50 - 54	1,772	14%	297.2	2,186	20%	366.6	3,958	16%	663.8
55 - 59	1,535	12%	264.9	1,947	18%	336.0	3,482	15%	600.9
60 - 64	986	8%	196.8	1,350	12%	269.5	2,336	10%	466.4
65+	963	7%	78.4	1,219	11%	99.2	2,182	9%	177.6
Unknown	2	0%	--	0	0%	--	2	0%	--
Race/Ethnicity									
Black, non-Hispanic	7,649	59%	458.69	6,409	58%	384.3	14,058	59%	843.0
White, non-Hispanic	3,705	29%	69.2	3,159	29%	59.0	6,864	29%	128.2
Hispanic (all races)	1,059	8%	136.7	1,041	9%	134.4	2,100	9%	271.2
Asian/ Hawaiian/ Pacific Islander	200	2%	33.8	165	2%	27.9	365	2%	61.7
Amer. Indian/ Alaska Native	10	0%	--	9	0%	--	19	0%	--
Multi-race/ Unknown	309	2%	--	289	3%	--	598	2%	--
Transmission Category									
Male-to-male sexual contact (MSM)	6,315	49%	--	5,090	46%	--	11,405	48%	--
Injection drug use (IDU)	728	6%	--	1,080	10%	--	1,808	8%	--
MSM & IDU	327	3%	--	485	4%	--	812	3%	--
Heterosexual contact	2,192	17%	--	2,359	21%	--	4,551	19%	--
Pediatric	150	1%	--	147	1%	--	297	1%	--
Blood recipient	22	0%	--	45	0%	--	67	0%	--
No risk factor reported or identified (NRR/NIR)	3,198	25%	--	1,866	17%	--	5,064	21%	--

All HIV surveillance data reported to the Virginia Department of Health as of February 2018. Living cases based on most recent known address in Virginia, regardless of where diagnosed. Rates for case counts less than 12 are considered unstable and should be interpreted with caution. Rates per 100,000 population.

Figure 2: Rate of Persons Living With HIV Disease (all cases) by Current Age, as of December 31, 2017



2017

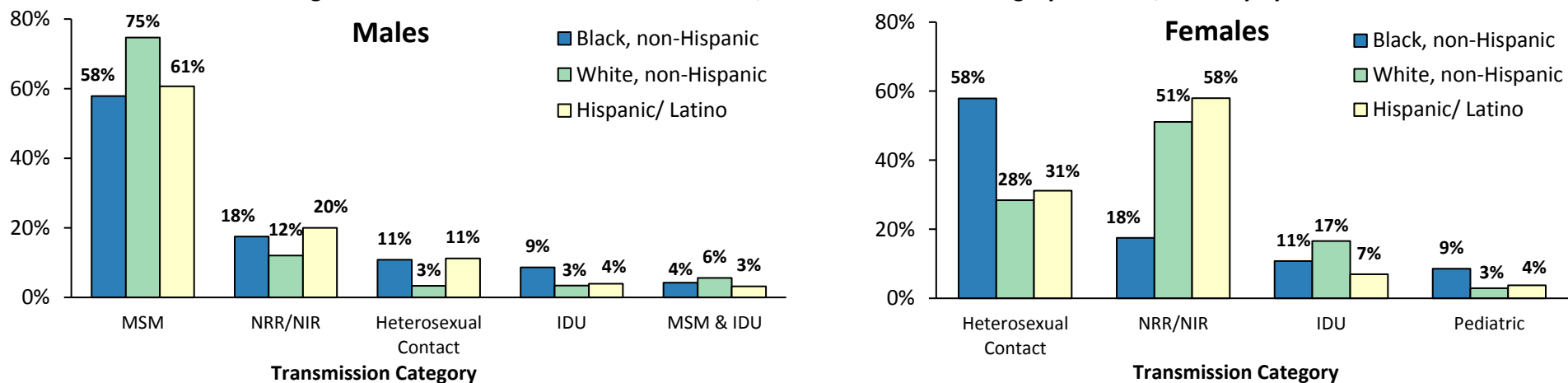
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Table 4: Persons Living with HIV as of December 31, 2017: Transmission Category by Gender and Race/Ethnicity

Gender	Transmission Category	Black, non-Hispanic		White, non-Hispanic		Hispanic/Latino		Asian/ Hawaiian/ Pacific Islander		Amer. Indian/ Alaska Native		Multi-race/ Unknown		Total	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Males		9,526	100%	5,905	100%	1,655	100%	283	100%	13	100%	462	100%	17,844	100%
	Male-to-male sexual contact (MSM)	5,517	58%	4,409	75%	1004	61%	164	58%	11	85%	300	65%	11405	64%
	Injection drug use (IDU)	818	9%	202	3%	64	4%	12	4%	1	8%	25	5%	1122	6%
	MSM & IDU	400	4%	329	6%	53	3%	3	1%	1	8%	26	6%	812	5%
	Heterosexual contact	1,029	11%	192	3%	185	11%	15	5%	0	0%	34	7%	1455	8%
	Pediatric	87	1%	34	1%	14	1%	1	0%	0	0%	4	1%	140	1%
	Blood recipient	10	0%	31	1%	3	0%	2	1%	0	0%	1	0%	47	0%
	No risk factor reported or identified (NRR/NIR)	1,665	18%	708	12%	332	20%	86	30%	0	0%	72	16%	2860	16%
Females		4,533	100%	960	100%	445	100%	82	100%	6	100%	134	100%	6,160	100%
	Injection drug use (IDU)	478	11%	159	17%	31	7%	2	2%	0	0%	16	12%	686	11%
	Heterosexual contact	2,243	50%	491	51%	258	58%	36	44%	3	50%	65	49%	3096	50%
	Pediatric	102	2%	28	3%	17	4%	3	4%	0	0%	7	5%	157	3%
	Blood recipient	11	0%	9	1%	0	0%	0	0%	0	0%	0	0%	20	0%
	No risk factor reported or identified (NRR/NIR)	1,699	38%	273	28%	139	31%	41	50%	3	50%	46	34%	2201	36%
	Total	14,059	100%	6,865	100%	2,100	100%	365	100%	19	100%	596	100%	24,004	100%

All HIV surveillance data reported to the Virginia Department of Health as of February 2018. Living cases based on most recent known address in Virginia, regardless of where diagnosed.

Figure 3: Prevalence of HIV as of December 31, 2017: Transmission Category and Race/Ethnicity by Gender



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Table 5: Persons Living with HIV as of December 31, 2017: Gender, Transmission Category, Current Age and Race/Ethnicity by Health Region

	Central		Eastern		Northern		Northwest		Southwest		Unknown	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Total	5,720	100%	7,448	100%	6,703	100%	1,970	100%	1,985	100%	181	100%
Gender												
Male	4,292	75%	5,418	73%	5,046	75%	1,482	75%	1,463	74%	146	81%
Female	1,428	25%	2,030	27%	1,657	25%	488	25%	522	26%	35	19%
Race/Ethnicity												
Black, non-Hispanic	3,995	70%	5,122	69%	3101	46%	854	43%	903	46%	84	46%
White, non-Hispanic	1,230	22%	1,683	23%	2064	31%	884	45%	933	47%	71	39%
Hispanic (all races)	304	5%	365	5%	1164	17%	157	8%	96	5%	15	8%
Asian/ Hawaiian/ Pacific Islander	34	1%	51	1%	237	4%	23	1%	16	1%	4	2%
Amer. Indian/ Alaska Native	3	0%	9	0%	6	0%	1	0%	0	0%	0	0%
Multi-race/ Unknown	154	3%	218	3%	131	2%	51	3%	37	2%	7	4%
Current age												
<10	11	0%	5	0%	8	0%	1	0%	4	0%	0	0%
10 - 14	10	0%	5	0%	8	0%	3	0%	2	0%	0	0%
15 - 19	19	0%	35	1%	17	0%	4	0%	10	1%	0	0%
20 - 24	187	3%	296	4%	118	2%	51	3%	56	3%	1	1%
25 - 29	509	9%	712	10%	376	6%	131	7%	142	7%	9	5%
30 - 34	469	8%	740	10%	469	7%	126	6%	129	7%	11	6%
35 - 39	500	9%	653	9%	605	9%	158	8%	167	8%	10	6%
40 - 44	441	8%	654	9%	750	11%	174	9%	177	9%	13	7%
45 - 49	712	12%	847	11%	955	14%	269	14%	264	13%	23	13%
50 - 54	934	16%	1,154	16%	1169	17%	337	17%	332	17%	32	18%
55 - 59	813	14%	1,065	14%	937	14%	306	16%	330	17%	31	17%
60 - 64	569	10%	691	9%	660	10%	204	10%	193	10%	20	11%
65+	546	10%	591	8%	631	9%	206	11%	177	9%	31	17%
Unknown	0	0%	0	0%	0	0%	0	0%	2	0%	0	0%
Transmission Category												
Male-to-male sexual contact (MSM)	2,630	46%	3,399	46%	3343	50%	986	50%	955	48%	92	51%
Injection drug use (IDU)	585	10%	545	7%	334	5%	188	10%	144	7%	12	7%
MSM & IDU	208	4%	229	3%	175	3%	86	4%	107	5%	7	4%
Heterosexual contact	1,255	22%	1,354	18%	1170	18%	351	18%	401	20%	20	11%
Pediatric	77	1%	77	1%	73	1%	29	2%	38	2%	3	2%
Blood recipient	17	0%	14	0%	15	0%	10	1%	7	0%	4	2%
No risk factor reported or identified (NRR/NIR)	948	17%	1,830	25%	1593	24%	320	16%	333	17%	43	24%

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Table 6: Persons Living with HIV as of December 31, 2017: Gender, Transmission Category, Current Age and Health Region by Race/Ethnicity

	Black, non-Hispanic		White, non-Hispanic		Hispanic/ Latino		Asian/ Hawaiian/ Pacific Islander		Amer. Indian/ Alaska Native		Multi-race/ Unknown	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Total	14,059	100%	6,865	100%	2,100	100%	365	100%	19	100%	596	100%
Gender												
Male	9,526	68%	5,905	86%	1,655	79%	283	78%	13	68%	462	77%
Female	4,533	32%	960	14%	445	21%	82	23%	6	32%	134	22%
Current age												
<10	16	0%	8	0%	3	0%	2	1%	0	0%	0	0%
10 - 14	17	0%	5	0%	3	0%	1	0%	0	0%	2	0%
15 - 19	62	0%	12	0%	7	0%	1	0%	0	0%	3	1%
20 - 24	511	4%	83	1%	78	4%	10	3%	0	0%	27	5%
25 - 29	1,338	10%	312	5%	150	7%	27	7%	1	5%	51	9%
30 - 34	1,262	9%	392	6%	212	10%	30	8%	1	5%	47	8%
35 - 39	1,226	9%	486	7%	293	14%	32	9%	2	11%	54	9%
40 - 44	1,249	9%	509	7%	321	15%	74	20%	3	16%	53	9%
45 - 49	1,693	12%	912	13%	328	16%	60	16%	4	21%	73	12%
50 - 54	2,194	16%	1,348	20%	272	13%	47	13%	2	11%	95	16%
55 - 59	1,910	14%	1,246	18%	204	10%	28	8%	4	21%	90	15%
60 - 64	1,362	10%	766	11%	126	6%	22	6%	1	5%	60	10%
65+	1,218	9%	785	11%	103	5%	32	9%	1	5%	43	7%
Unknown	1	0%	1	0%	0	0%	0	0%	0	0%	0	0%
Transmission Category												
Male-to-male sexual contact (MSM)	5,517	39%	4,409	64%	1,004	48%	164	45%	11	58%	300	50%
Injection drug use (IDU)	1,296	9%	361	5%	95	5%	14	4%	1	5%	41	7%
MSM & IDU	400	3%	329	5%	53	3%	3	1%	1	5%	26	4%
Heterosexual contact	3,272	23%	683	10%	443	21%	51	14%	3	16%	99	17%
Pediatric	189	1%	62	1%	31	2%	4	1%	0	0%	11	2%
Blood recipient	21	0%	40	1%	3	0%	2	1%	0	0%	1	0%
No risk factor reported or identified (NRR/NIR)	3,364	24%	981	14%	471	22%	128	35%	3	16%	120	20%
Health Region												
Central	3,995	28%	1,230	18%	304	15%	34	9%	3	16%	154	26%
Eastern	5,122	36%	1,683	25%	365	17%	51	14%	9	47%	218	37%
Northern	3,101	22%	2,064	30%	1,163	55%	238	65%	6	32%	131	22%
Northwest	854	6%	884	13%	157	8%	23	6%	1	5%	51	9%
Southwest	903	6%	933	14%	96	5%	16	4%	0	0%	37	6%
Unknown	84	1%	71	1%	15	1%	4	1%	0	0%	7	1%

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